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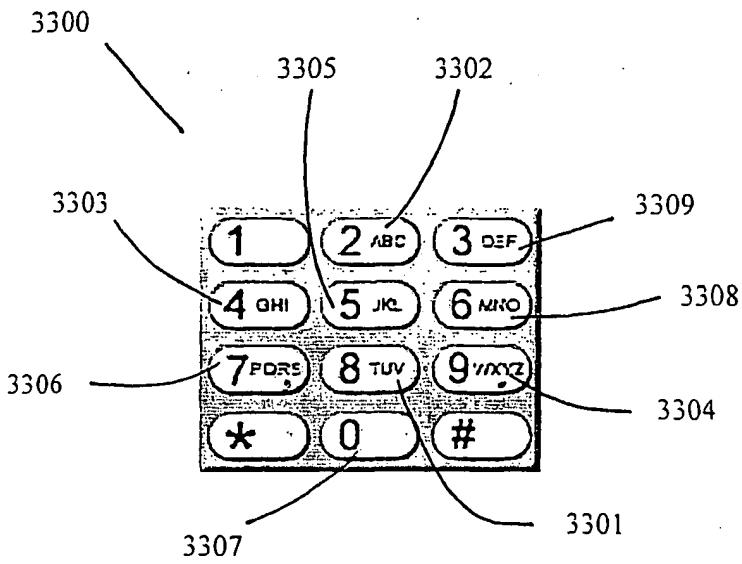
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(54) Title: SYSTEMS TO ENHANCE DATA ENTRY IN MOBILE AND FIXED ENVIRONMENT



(57) Abstract: A data input system having a keypad defining a plurality of keys, each key contains at least one symbol of a group of symbols. The group of symbols is divided into subgroups each having at least one of alphabetical symbols, numeric symbols, and command symbols, where each subgroup is associated with at least a portion of a user's finger. A finger recognition system is in communication with at least one key, where the key has at least a first symbol from a first subgroup and at least a second symbol from a second subgroup. The finger recognition system is configured to recognize the portion of the user's finger when the finger interacts with the key so as to select the symbol on the key, corresponding to the subgroup associated with the portion of the user's finger.